GOVERNMENT OF INDIA
URBAN DEVELOPMENT
LOK SABHA

UNSTARRED QUESTION NO:78
ANSWERED ON:24.02.2016
Management of Sewage
Kumar Shri Santosh;Patel Shri Devji Mansingram;Patel Shri Dilip;Rajput Shri Mukesh

Will the Minister of URBAN DEVELOPMENT be pleased to state:

Will the Minister of URBAN DEVELOPMENT be pleased to state:

(a) the quantum of sewage generated and treatment capacity available in urban areas in the country, city-wise;

(b) the details of the technology being used in sewage treatment plants in the country and the manner in which the sewage which is not treated are disposed off;

(c) the details of proposals for setting up of sewage treatment plant and under ground drainage have been received by the Government during the last three years and the current year, State-wise; and

(d) the details of proposals sanctioned and the funds released along with the works undertaken during the above period, city and State-wise?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF URBAN DEVELOPMENT
(SHRI BABUL SUPRIYO)

(a) & (b): The quantum of sewage generated from Class - I Cities and Class - II Towns is 38254.82 million litres per day (MLD) out of which only 11787.38 MLD (31%) is being treated and the remaining 26467.44 MLD is disposed into the water bodies without any treatment. The city wise details at Annexure-I.

The various technologies being used in sewage treatment plants are Activated Sludge Process (ASP), Membrane Bio Reactor (MBR), Sequential Batch Reactor (SBR), Oxidation, Anaerobic Digesters etc.

(c) & (d): The details of proposals received/sanctioned for setting up of sewage treatment plant and underground drainage and fund released during the last three years and the current year, city and State-wise are at Annexure-II.
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Annexure −I

ANNEXURE-I REFERRED TO IN REPLY TO LOK SABHA UNSTARRED QUESTION NO.78 TO BE ANSWERED ON 24.02.2016 REGARDING "MANAGEMENT OF SEWAGE"

(a) Status of Sewage Generation and Treatment Capacity of Urban Population of India
(Estimated as on March, 2015)
Estimation of sewage generation is computed based on the same factor as calculated in assessment of 2008 (calculated @ 148 LPCD). In case of Delhi, Sewage Generation is as per actual.

Sl.No State Sewage Generation of Urban Population in 2015 (MLD) Installed Treatment Capacity (As on March, 2015) (MLD)

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1. Andaman & Nicobar Islands 22 0

2. Andhra Pradesh 2871 247.27
3. Arunachal Pradesh 50
4. Assam 703 0.21
5. Bihar 1879 124.55

6. Chandigarh 164 314.5

7. Chhattisgarh 951 0

8. Dadra & Nagar Haveli 26 -
9. Daman & Diu 29 -
10. Goa 145 74.58
11. Gujarat 4119 3062.92
12. Haryana 1413 852.7
13. Himachal Pradesh 110 114.72
14. Jammu & Kashmir 547 264.74
15. Jharkhand 1270 117.24
16. Karnataka 3777 1304.16
17. Kerala 2552 152.97
18. Lakshadweep 8 -
19. Madhya Pradesh 3214 482.23
20. Maharashtra 8143 5160.36
21. Manipur 132 -
22. Meghalaya 95 1
23. Mizoram 90 10
24. Nagaland 92 -
25. Delhi 4155 2693.7
26. Odisha 1121 385.54
27. Pondicherry 136 68.5
28. Punjab 1664 1245.45
29. Rajasthan 2736 865.92
30. Sikkim 24 31.88
31. Tamil Nadu 5599 1799.72
32. Telangana 1671 685.8
33. Tripura 154 0.05
34. Uttar Pradesh 7124 2646.84
35. Uttarakhand 495 152.9
36. West Bengal 4667 416.9
Total 61948 23277

(b) State-wise Break up of STPs
Sl. No. State/UT Capacity of Municipal STPs No. of Municipal STPs Operational Capacity (MLD) No. of STPs Operational Non-operational Capacity (MLD) No. of STPs Non-operational Under Construction Capacity (MLD) No. of STPs Under Constructions Proposed Capacity (MLD) No. of STPs Proposed
1 Andhra Pradesh 247.27 12 156.27 9 - - 91 3 - -
2 Arunachal Pradesh - - - - - - - - - -
3 Andaman & Nicobar Islands - - - - - - - - - -
4 Assam 0.21 1 0.21 1 - - - - - -
5 Bihar 124.55 6 99.55 5 25 1 - - - -
6 Chandigarh 314.5 5 314.5 5 - - - - - -
7 Chhattisgarh - - - - - - - - - -
8 Delhi 2693.7 35 2671.2 34 22.5 1 - - - -
9 Daman Diu & Dadra Nagar Haveli - - - - - - - - - -
10 Goa 74.58 7 34.5 4 - - 40.08 3 - -
11 Gujarat 3062.92 51 2111.64 32 498 4 359.5 8 93.78 7
12 Haryana 852.7 41 805 38 2.7 2 45 1 - -
13 Himachal Pradesh 114.72 66 79.51 36 35.21 30 - - - -
14 Jammu & Kashmir 264.74 19 145.74 15 2 1 117 3 - -
15 Jharkhand 117.24 15 117.24 15 - - - - - -
16 Karnataka 1304.16 57 1112.05 44 - - 192.11 13 - -
17 Kerala 152.97 10 112.87 6 3 1 37.1 3 - -
18 Lakshadweep - - - - - - - - - -
19 Maharashtra 5160.36 76 4683.9 60 344.5 10 131.96 6 - -
20 Madhya Pradesh 482.23 17 475.48 14 6.75 3 - - - -
21 Manipur - - - - - - - - - -
22 Meghalaya 1 1 - - 1 1 - - - -
23 Mizoram 10 1 - - - - 10 1 - -
24 Nagaland - - - - - - - - - -
25 Odisha 385.54 13 158.04 7 - - 227.5 6 - -
26 Puducherry 68.5 6 17.5 3 - - 51 3 - -
27 Punjab 1245.45 86 921.45 38 15.2 4 276.7 31 32.1 13
28 Rajasthan 865.92 63 384.5 16 - - 149.3 11 332.12 36
29 Sikkim 31.88 11 8 1 5 1 18.88 9 - -
30 Tamil Nadu 1799.72 73 1140.83 33 5.17 1 521.08 28 132.64 11
31 Telangana 685.8 18 634.8 17 - - 51 1 - -
32 Tripura 0.05 1 0.045 1 - - - - - -
33 Uttar Pradesh 2646.84 73 2372.25 62 89.59 7 170 3 15 1
34 Uttrakhand 152.9 24 90.75 10 - - 39.15 12 23 2
35 West Bengal 416.9 28 235.36 16 181.54 12 - - - -
Total 23277.36 816 18883.2 522 1237.16 79 2528.36 145 628.64 70

Note : ' − ' indicates that information not received from concerned SPCB/PCC

Annexure-II

ANNEXURE-II REFERRED TO IN REPLY TO LOK SABHA UNSTARRED QUESTION NO.78 TO BE ANSWERED ON 24.02.2016 REGARDING "MANAGEMENT OF SEWAGE"
(a) Atal Mission for Rejuvenation and Urban Transformation (AMRUT)
(Rs. in crore)

Sl.
No. Name of the State Total size of SAAP Committed Central Assistance Amount released as 1st installment (20% of Central Assistance
01 Rajasthan 919.00 459.50 91.90
02 Gujarat 1204.42 564.30 112.86
03 Andhra Pradesh 662.46 300.41 60.08
04 Jharkhand 313.36 137.95 27.59
05 Odisha 461.30 228.14 45.63
06 Madhya Pradesh 1655.81 672.03 134.41
07 Mizoram 73.00 36.50 7.30
08 Tamil Nadu 3249.23 1372.41 274.48
09 Kerala 575.96 287.98 57.60
10 Telangana 415.51 204.75 40.85
11 Chhattisgarh 573.40 276.47 55.29
12 West Bengal 1104.86 552.43 110.49
13 Haryana 438.02 219.01 43.80
14 Maharashtra 1989.41 914.92 182.98
15 Himachal Pradesh 158.82 79.41 15.88
16 Bihar 664.20 332.10 66.42
17 Uttar Pradesh 3287.26 1409.07 281.81
18 Karnataka 1258.54 592.29 118.46
19 Uttarakhand 269.93 133.68 26.74
20 Punjab 709.66 318.86 63.77
Total 9091.70 1818.34

(b) North Eastern Region Urban Development Programme (NERUDP)
Sewage Treatment Projects received during 2014-15 and cleared
in 2015-16 (Jan'2016)

Sl. No. State City Projects Funds sanctioned Works undertaken
1 Mizoram Aizawl Septage Management NIL
(Works yet to commence) Expected to commence by Apr'16
2 Tripura Agartala Septage Management
3 Nagaland Kohima Septage Management

(c) Jawaharlal Nehru Urban Renewal Mission (JNNURM)

(d) Urban Infrastructure Development in satellite towns around seven mega cities (UIDSST)

(Fund released for sewerage / drainage projects during the last three years)
(Rs. in Lakh)
Name of the State / City Name of the project Year of sanction Estimated cost of the project Fund released
2012-13 2013-14
2014-15
2015-16 (as on 18.2.16)
Telangana (Vikarabad) Underground drainage scheme for Vikarabad town, AP 2010-11 6474.00 598.81 696.19 1295.00 -

Gujarat (Sanand) Sewerage scheme for sanand town 2010-11 5848.68 - - 2339.48 -

UP (Pilkhuwa) Pilkhuwa sewage scheme 2010-11 368.00 364.66 - 368.75 368.75

Tamil Nadu
(Sriperembudur) Providing comprehensive sewerage scheme for Sriperembudur 2011-12 5622.00 - - 1124.40 1124.40

Maharashtra
(Vasai-virar) Underground sewerage scheme for Vasai-virar STP-2 2010-11 6622.63 - - 1324.52 -

Karnataka (Hoskote) Underground sewerage scheme for Hoskote 2011-12 4072.84 - - - 734.46
Total 1598.00 828.66 6452.15 2227.61

10% Lumpsum scheme for NE States
(Fund released for sewerage / drainage projects during the last three years)

(Rs. in Lakh)
Name of the State Name of the project Year of sanction Estimated cost of the project 2012-13 2013-14
2014-15 2015-16
(as on 18.2.16)
Arunachal
Pradesh 1. Development of storm water drainage, Khonsa, AP 2011-12 422.29 - 114.01 114.02 -
2. Aalo storm water drainage scheme (Ph-II), AP 2011-12 929.05 - 334.46 209.04 -

Assam 1. C/o Karimganj Storm water drainage scheme (Ph-I), Assam 2007-08 1183.57 - - - 355.07
2. C/o drainage system for Dhemaji town, Assam 2006-07 1217.00 - - - -
3. Tinsukia master plan area storm water drainage scheme, Assam 2006-07 1391.11 418.00 - - -
Total 418.00 448.47 323.06 355.07

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